Index of Claims

| App | licatio | n No. |
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10/720,442

Examiner

Ba K. Trinh

Applicant(s)

MANN ET AL.

**Art Unit** 

1625

√ Rejected
= Allowed

- (Through numeral)
Cancelled

Restricted

Non-Elected
I Interference

A Appeal
O Objected

| E.         GO         E.         E.         GO           1         1         51         101         102           2         3         53         103         103           4         4         54         104         105           5         6         55         105         105           6         56         56         106         107         107           8         V         53         108         108         109         100         107         107         107         108         108         109         100         100         100         100         100         100         100         100         100         110         100         100         110         110         111  | Claim       | 1              |              |                      | Dat  | е  |  | 1     | Cla     | im  |  | Date             |               |                 |                    | Cla    | aim  | <u> </u> |          |          | Dat  | e               | _               |           |            |
|--|-------------|----------------|--------------|----------------------|--|--|--|-------|---------|-----|--|------------------|---------------|-----------------|--------------------|--------|------|----------|----------|----------|--|-----------------|-----------------|-----------|------------|
| 1         1         101         102         102         102         102         102         102         103         14         104         104         103         103         104         104         104         105         105         6         6         105         56         106         105         6         106         7         107         58         106         107         107         38         V         58         108         108         9         109         100         110         111         111         111         111         111         111         111         111         111         111         111         111         111         111         111 <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td><math>\Pi\Pi</math></td> <td></td> <td>П</td> <td>Γ</td> <td>Γ</td> <td></td> <td></td> <td></td>  |             |                | _            |                      |  |  | $\Pi\Pi$   |       |         |     |  |                  |               |                 |                    |        |      |          |          | П        | Γ  | Γ               |                 |           |            |
| 1         0         51         101         102         102         102         102         103         14         104         103         103         103         104         104         104         105         106         55         66         106         556         106         106         77         107         58         108         108         99         109         100         <   | <u>a</u>    |                | Š            |                      |  |  |  |       | آھ<br>ا | ij  |  |                  |               |                 |                    | lal    | Ë    |          |          |          |  |                 |                 |           |            |
| 1         0         51         101         102         102         102         102         103         14         104         103         103         103         104         104         104         105         106         55         66         106         556         106         106         77         107         58         108         108         99         109         100         <   | iĒ   jš     | Ĕ              | 071          |                      |  | [  |  |       | ιΞ      | Ę   |  |                  |               |                 |                    | Fi     | Örig |          |          |          |  |                 |                 |           | İ          |
| 2  |             | _              | _            | $\perp$              | $\perp$  | <u> </u>   | <b>                                     </b>     |       |         |     |  |                  |               |                 |                    |        |      |          |          |          | L  | L               |                 |           |            |
| Sa   |             |                |              | $\perp \perp \perp$  | $\perp$  |  |  | 10000 |         |     |  | $\perp$          |               |                 |                    |        | 101  |          |          |          |  |                 |                 |           |            |
| S  |             |                | _            | $\rightarrow$        | $\bot$   |  | LL.  |       |         |     |  | $\perp \perp$    | $\perp$       |                 |                    |        | 102  |          |          |          | <u> </u>   |                 |                 |           |            |
| S  |             |                | $\dashv$     | $\rightarrow$        |  |  | <del>                                     </del> |       |         | 53  |  | $\perp$          |               |                 | 1,500 pg<br>14,540 |        | 103  | ot       | Д        | _        |  |                 |                 |           | L          |
| 6         106           7         107           8         V           9         V           10         V           60         110           11         V           61         111           12         V           63         111           13         V           63         1113           14         V           64         114           15         65           16         66           17         67           18         68           19         69           117         117           18         68           19         69           119         120           21         71           22         72           23         73           24         74           25         75           26         76           27         77           28         78           29         79           125         26           27         77           28   |             |                |              |                      | -  | -  |  |       |         | 54  |  | $\perp$          | <del></del>   |                 |                    |        | 104  |          | _        |          |  |                 |                 | _         |            |
| T  |             |                |              |                      | 4  |  | 1  |       |         | 55  |  |                  | $\perp \perp$ | $\perp$         |                    |        | 105  |          | $\perp$  | ╙        | <u> </u>   | L.              |                 |           | ╙          |
| S  |             |                | $\dashv$     | +                    | +  | $\vdash$   | $\vdash$   |       |         | 56  |  | +                |               | +               |                    |        | 106  | $\perp$  | +-       | -        |  | <u> </u>        |                 |           | <u> </u>   |
| 9   V   60   100   110   111 | <del></del> | $\rightarrow$  | ,            | $\rightarrow$        | +  |  | <del>                                     </del> |       |         | 5/  |  | -                |               |                 |                    |        |      | Щ-       |          | 1        |  | _               |                 |           | <u> </u>   |
| 10   V   |             |                |              |                      | +  | $\vdash$   | ₩-   |       |         |     |  |                  |               |                 |                    |        | 108  |          | +        | ļ        | -  | <u> </u>        | L               |           | <u> </u>   |
| 11   |             |                |              | $\rightarrow$        | -  | <del>                                     </del> | <del>├</del>                                     |       |         |     |  | +                |               | $\dashv$        |                    |        | 109  |          |          | -        | <u> </u>   | <u> </u>        | _               |           | <b> </b> - |
| 12    V  |             |                |              | ++                   | -  |  |  |       |         |     |  | +                |               | $\dashv$        |                    |        |      |          | $\perp$  | ļ        |  | <u> </u>        | -               |           |            |
| 13   V   |             |                |              | <del></del>          |  | <b>├</b> ─├                                      | $\vdash$   |       |         | 67  | +  | +                | $\dashv$      |                 |                    |        | 111  |          | +-       |          | ├-   | <u> </u>        | Ш               |           | $\vdash$   |
| 14   |             |                |              | <del></del>          |  | $\vdash$   | $\vdash\vdash$                                   |       |         | 62  |  |                  | +             | $\dashv$        |                    |        | 112  |          | +        | $\vdash$ | <u> </u>   |                 |                 |           | <u> </u>   |
| 16   |             |                |              | ++                   | +  | $\vdash$   | $\vdash$   |       |         | 64  | +++  |                  | ++            |                 |                    |        | 113  |          | +        | ├        | ├  | _               | $\vdash \dashv$ |           | $\vdash$   |
| 16   |             |                | <u> </u>     | +                    | +  |  |  |       |         | 65  | +++  | +                | +             |                 |                    |        | 114  |          | +        | -        | <del>                                     </del> |                 | $\vdash \vdash$ |           | Н          |
| 17   |             |                | $\dashv$     | ++                   | +  | $\vdash\vdash$                                   | ├  |       |         | 66  |  |                  | ++            | +               |                    | -      | 115  |          | +        | $\vdash$ | <u> </u>   | <u> </u>        |                 |           | Н          |
| 18   | 111         | <del>-</del> - | $\dashv$     | ++                   | +  | ├├-  | $\vdash$   | 2000  |         | 67  |  | ++               |               | +               |                    |        |      | +        | +        | H        | ⊢-   | ├—              |                 | _         |            |
| 19   |             |                | $\dashv$     | +                    | +  | <del>                                     </del> | <del>                                     </del> |       |         | 69  |  | ++               | +             | +               |                    |        | 11/  | -        |          | $\vdash$ | ├  |                 |                 |           | $\vdash$   |
| 120  |             |                | +            |                      |  |  |  |       |         | 60  | <del>-       -   -   -   -   -   -   -   -  </del> | +                | +             |                 |                    |        | 110  | +        |          | <b>—</b> | <u> </u>   | -               |                 |           |            |
| 21         71         121         122         122         123         123         123         123         123         123         123         123         123         123         123         123         123         124         124         124         124         124         124         124         125         125         126         126         126         126         127         127         127         127         127         128         128         128         128         128         129         130         130         130         130         131         131         131         131         131         131         131         131         131         131         131         131         131         131         132         33         33         33         33         33         33         33         33         33         33         33         33         34         44         44         134         134         133         133         133         133         133         133         133         134         134         134         134         134         134         134         135         136         136         137         137         33<   | 20          | <del>}  </del> | +            |                      | +  | -+   | $\vdash$   |       | -       | 70  | <del>-       -</del>                               | +                |               |                 |                    |        | 119  | -        | +        |          |  |                 | $\dashv$        |           |            |
| 22         72         122         123         123         123         124         124         124         124         124         124         125         125         125         125         126         126         126         127         127         127         127         127         128         128         128         128         128         128         129         129         129         130         130         131         131         131         131         131         132         132         132         132         133         133         133         133         133         133         133         134         134         134         134         134         135         135         135         135         135         136         136         136         137         137         137         137         138         138         138         138         139         140         140         140         141         141         141         141         144         144         144         144         144         144         144         144         144         144         144         145         146         146         146         146         146  |             |                |              |                      | +  | $\vdash$   | <del>                                     </del> |       |         | 70  | +  | +                | +             | +               |                    |        | 120  |          | +        | $\vdash$ |  |                 | -               |           | $\vdash$   |
| 23         74         123         124         74         124         124         124         125         125         125         125         125         126         126         126         127         127         127         127         127         127         128         128         128         128         128         129         129         129         129         130         130         130         131         131         131         131         131         131         132         132         132         132         133         133         134         134         134         134         134         134         134         134         135         135         135         135         135         135         135         135         136         137         137         137         137         137         137         138         138         138         139         140         140         141         140         141         141         141         142         142         142         143         143         143         144         144         144         144         144         144         144         144         144         144         144   |             |                | -+           |                      | +-   | $\vdash$   | $\vdash$   |       |         | 72  | <del>-   -   -</del>                               | +++              | $\rightarrow$ | +               |                    |        | 121  | -        | +        |          |  |                 |                 |           | $\vdash$   |
| 24         74         124           25         75         125           26         76         126           27         127         127           28         78         128           29         79         129           30         80         130           31         81         131           32         82         132           33         83         133           34         84         134           35         85         135           36         86         136           37         87         137           38         88         139           40         90         140           41         91         141           42         92         142           43         93         143           44         94         144           45         96         146           47         97         147           48         98         148           49         99         140   | 2           | 2              | -            | ++                   |  | <del></del>                                      | <del>  </del>                                    |       |         | 72  |  | +                | $\rightarrow$ | +               |                    |        | 122  | _        | +        | -        | -  |                 | $\vdash$        |           |            |
| 25         75         125         126         126         126         127         127         127         127         127         127         127         127         128         128         128         128         129         129         129         130         130         130         130         130         130         130         131         131         131         131         132         132         132         132         133         133         133         133         133         133         134         134         134         134         134         134         135         135         135         135         136         137         137         136         137         137         138         138         138         138         138         138         138         138         138         138         139         140         140         141         141         141         141         141         141         142         142         143         143         144         144         144         144         144         145         146         146         146         146         146         147         149         140         140         140  |             |                | $\dashv$     |                      | +  |  |  |       |         | 74  | <del>-       -   -   -   -   -   -   -   -  </del> | +                |               | $\dashv \dashv$ |                    |        | 123  | -        | -        |          |  | Ш               |                 |           |            |
| 26         76         126           27         77         127           28         78         128           29         79         129           30         80         130           31         81         131           32         82         132           33         83         133           34         84         134           35         85         135           36         86         136           37         87         137           38         88         138           39         89         139           40         90         140           41         91         141           42         92         142           43         93         143           44         94         144           45         95         145           46         96         146           47         97         147           48         99         149  | 2           | 5              | $\dashv$     | $\dashv$             | +  |  | <del>     </del>                                 |       |         |     | +++  | +                | +             |                 |                    |        | 125  | +        | +        |          |  |                 |                 |           |            |
| 27         28         78         128           29         79         129         130           30         80         130         131           31         81         131         131           32         82         132         132           33         83         133         133           34         84         134         134           35         85         135         135           36         86         136         137           38         88         138         139           40         90         140         140           41         91         141         142           43         93         143         143           44         94         144         144           45         95         145         146           47         97         147         148           49         98         148         148   | 26          | 6              | $\dashv$     | +                    | +  |  |  |       |         | 76  | <del></del>  | ++               |               | +               |                    | +      | 126  | +        | +        | Н        |  |                 |                 |           | $\dashv$   |
| 28         78         128           29         79         129           30         80         130           31         81         131           32         82         132           33         83         133           34         84         134           35         85         135           36         86         136           37         87         137           38         88         138           39         89         139           40         90         140           41         91         141           42         92         142           43         93         143           44         94         144           45         95         145           46         96         146           47         97         147           48         98         148           49         98         148  | 2           | <del>Ť</del>   | $\dashv$     |                      | +  | $\vdash$   | <del>  </del>                                    |       |         | 77  | +++  | +                | ++            |                 | -                  | ⊦      | 127  | -        | +        | Н        |  |                 | $\dashv$        | -         | $\dashv$   |
| 29         79         129           30         80         130           31         81         131           32         82         132           33         83         133           34         84         134           35         85         135           36         86         136           37         87         137           38         88         138           39         89         139           40         90         140           41         91         141           42         92         142           43         93         143           44         94         144           45         95         145           46         96         146           47         97         147           48         98         149  |             |                | $\dashv$     | ++                   | +  |  |  |       |         |     | <del>-   -   -  </del>                             | + +              | +             |                 | •                  |        |      | -        | +        | Н        |  |                 | -               |           | $\dashv$   |
| 30   |             |                | -+           | -++                  | +  |  |  |       |         | 79  |  | +                | <del></del>   |                 |                    |        | 120  | +        |          | $\vdash$ |  |                 | $\dashv$        |           |            |
| 31         81         131         132         132         132         133         134         134         134         134         134         135         135         136         137         137         137         137         137         138         138         138         138         138         138         139         139         140         140         140         140         140         141         141         141         141         142         142         143         143         143         144         144         144         144         144         144         144         144         144         144         144         145         146         146         146         146         146         146         146         146         146         146         149         149         149         149         149         149         149         149         149         149         149  |             |                | 7            |                      | +  |  |  |       |         | 80  |  | 1                | +             |                 |                    | -+     | 130  |          | ╁        | Н        |  |                 | $\dashv$        |           |            |
| 32       82       132         33       133       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       98       148         49       99   | 3           | 1              | $\dashv$     | $\neg$               | +  |  |  | ŀ     |         |     |  | +                | +             |                 |                    |        | 131  | _        | +-       |          |  |                 |                 |           | -          |
| 33       83       133       134         35       85       135       135         36       86       136       137         37       87       137       137         38       88       138       138         39       89       139       139         40       90       140       141         41       91       141       141         42       92       142       142         43       93       143       144         44       94       144       144         45       95       145       146         46       96       146       146         47       97       147       147         48       98       148       148         49       98       149       149  | 32          | 2              | 寸            |                      |  |  |  |       |         | 82  |  | 1-1              | ++            | +-              |                    |        | 132  |          | +        |          |  | $\vdash$        | $\dashv$        | _         | $\dashv$   |
| 34     84     134       35     85     135       36     86     136       37     87     137       38     88     138       39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     149  |             |                | T            | $\top$               |  |  |  |       |         |     |  | +                | +             | $\top$          |                    |        | 133  |          | +        | $\vdash$ |  | $\neg$          | †               |           | $\dashv$   |
| 35         85         135         136           37         87         137         137           38         88         138         139           40         90         140         140           41         91         141         141           42         92         142         142           43         93         143         144           44         94         144         144           45         95         145         146           47         97         147         147           48         98         148         148           49         98         140  | 34          | 4              | T            | $\neg \vdash \vdash$ | $\top$   |  |  |       |         | 84  |  | + +              |               | +               |                    |        | 134  | $\dashv$ | +        | H        | $\dashv$   |                 | $\dashv$        | $\dashv$  | $\dashv$   |
| 36       86       136         37       137         38       88         39       89         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       148  | 35          | 5              | _            |                      |  |  |  |       | $\neg$  | 85  |  | † †              | $\dashv$      | _               |                    |        | 135  | $\dashv$ | +        | H        |  | $\neg$          | $\dashv$        | T         | $\dashv$   |
| 37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       149   | 36          | 6              | $\dashv$     |                      | 1  |  | $\sqcap$   |       |         | 86  | -       -  | ++               |               |                 |                    |        | 136  | $\dashv$ | +-       | $\vdash$ | $\vdash$   | $\neg$          |                 | -         | $\dashv$   |
| 38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       140  | 37          | 7              | $\neg$       | 1                    | $\top$   |  | $\Box$   |       |         | 87  |  | ++               | $\dashv$      | 1               |                    |        | 137  | $\dashv$ | +-       | H        |  | -               | $\dashv$        | -         | ᅱ          |
| 39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       140  | 38          | 8              | $\dashv$     |                      |  |  |  |       |         |     |  | ++               | $\dashv$      |                 |                    | 1      | 138  | $\dashv$ | +        | $\vdash$ | $\dashv$   |                 | 寸               |           |            |
| 40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       140  | 39          | 9              | _†           |                      |  |  | П  | 1     |         | 89  |  | 11               | <u> </u>      | +               | ŀ                  |        | 139  | +        | +        | H        |  |                 | _               |           | $\dashv$   |
| 41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     149   | 40          | 0              |              |                      | $\top$   |  |  |       |         | 90  |  | 77               | 11            |                 | 1                  |        | 140  | _        | $\vdash$ | $\vdash$ | $\neg \dashv$                                    |                 | $\dashv$        | $\dashv$  | ᅱ          |
| 42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     149   | 41          | 1              | ╧            |                      |  |  | П  |       |         | 91  | <del>-         -</del>                             | $\top$           | 71            |                 | T                  |        |      | $\dashv$ | <b>†</b> | $\vdash$ | $\neg$   |                 | 7               | $\dashv$  | $\dashv$   |
| 43     93       44     94       45     95       46     96       47     97       48     98       49     148       49     149  |             |                | T            |                      |  |  |  |       | 一十      | 92  |  | 11               | 11            |                 | 1                  | $\neg$ | 142  | +        | $T^-$    | H        |  | $\neg$          | -†              | 7         | $\dashv$   |
| 44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |             |                | 1            |                      |  |  |  |       |         | 93  |  | <del>     </del> |               |                 |                    |        | 143  | $\top$   | $T^-$    |          | $\neg \dagger$                                   |                 | $\dashv$        | 7         | $\neg$     |
| 45     95       46     96       47     97       48     98       49     148   |             |                | $oxed{oxed}$ |                      |  |  |  |       |         | 94  |  | 11               |               |                 |                    |        | 144  | $\top$   | _        |          | $\neg$   | 1               |                 | 7         | $\neg$     |
| 46     96       47     97       48     98       49     148   |             |                |              | $\perp \perp $       |  |  |  |       |         | 95  |  |                  |               |                 |                    |        | 145  | $\neg$   | $T^-$    |          | $\neg$   | 寸               | $\dashv$        | $\exists$ | $\neg$     |
| 47   |             |                | $\perp$      | $\bot \bot \bot$     |  |  |  |       |         | 96  |  | $\Box \uparrow$  |               |                 |                    |        | 146  |          |          | П        | 寸  | 寸               | $\dashv$        | 1         | $\neg$     |
| 48 98 148 149 149 149  |             |                | _ _          | $\perp \perp$        |  |  |  |       |         | 97  |  |                  |               | $\Box$          | ऻ                  |        |      |          |          | $\Box$   | $\neg$   |                 | $\neg \uparrow$ | ╗         | $\neg$     |
| 49   |             |                | $\perp$      | $\perp \perp \perp$  |  |  |  |       |         | 98  |  | $\Box$           |               |                 | Ī                  |        | 148  | $\neg$   |          |          | $\neg$   | $\neg \uparrow$ | $\neg$          | $\exists$ | $\neg$     |
|  | 49          | 9              | 4            | $\perp$              | $\bot J$   | $\Box$   |  |       |         |     |  |                  |               |                 | ľ                  |        | 149  |          |          |          | $\neg$   |                 |                 |           |            |
| 50 100 150 150   | 50          | 0              | 丄            |                      | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |  |  |       |         | 100 |  |                  |               |                 | Γ                  |        | 150  |          | $\Box$   |          |  |                 |                 |           |            |